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(54) Title: LOW TEMPERATURE METHOD FOR PREPARING TRIMETALLIC NITRIDE ENDOHEDRAL METALLOFULLERENES

(57) Abstract: A method for forming trimetallic nitride endohedral metallofullerenes having the general formula $A_{3-n}X_nN@C_m$, wherein A is a first metal, X is an optional second metal, n is an integer from 0-3, and m is an even integer from about 60 to about 200 is described. The method includes heating a mixture of carbon, a first metal, an optional second metal, and a nitrogen containing compound in a reactor that has been sealed under vacuum at a temperature and for a time effective to form trimetallic nitride endohedral metallofullerenes.

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